

CIT 190 - JAVASCRIPT PROGRAMMING

Course Description

Students create responsive web solutions by integrating HTML, CSS, JavaScript, jQuery, JSON, XML, Ajax and Web API technologies. Students use variables, decisions, loops, functions, methods, objects, and other programming concepts as they add robust and powerful interactivity to web pages and web-based games. Course content is mapped to the Certiport Information Technology Specialist - JavaScript learning objectives, and students enrolled in this course will take the certification exam. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

CIT 180 with a grade of 2.0 or higher, or instructor permission.

General Education Outcomes supported by this course

Critical Thinking - Direct

Course Learning Outcomes

Knowledge:

- Describe JavaScript technologies used to add interactivity to web pages.

Application:

- Create, deploy and troubleshoot an interactive, responsive web site.
- Write, test, and debug code to implement interactive features.
- Use JavaScript libraries and frameworks to perform a variety of tasks.

Integration:

- Design interactive solutions using HTML, CSS, and JavaScript.
- Incorporate data from a web API into an application and display the data retrieved.
- Use JavaScript code and libraries to validate data and update data sources.

Human Dimension:

- Give and receive feedback in an appropriate manner.

Caring - Civic Learning:

- Describe how well-designed, interactive features increase web site appeal.

Learning How to Learn:

- Engage in self-directed learning.
- Independently seek out solutions to problems.